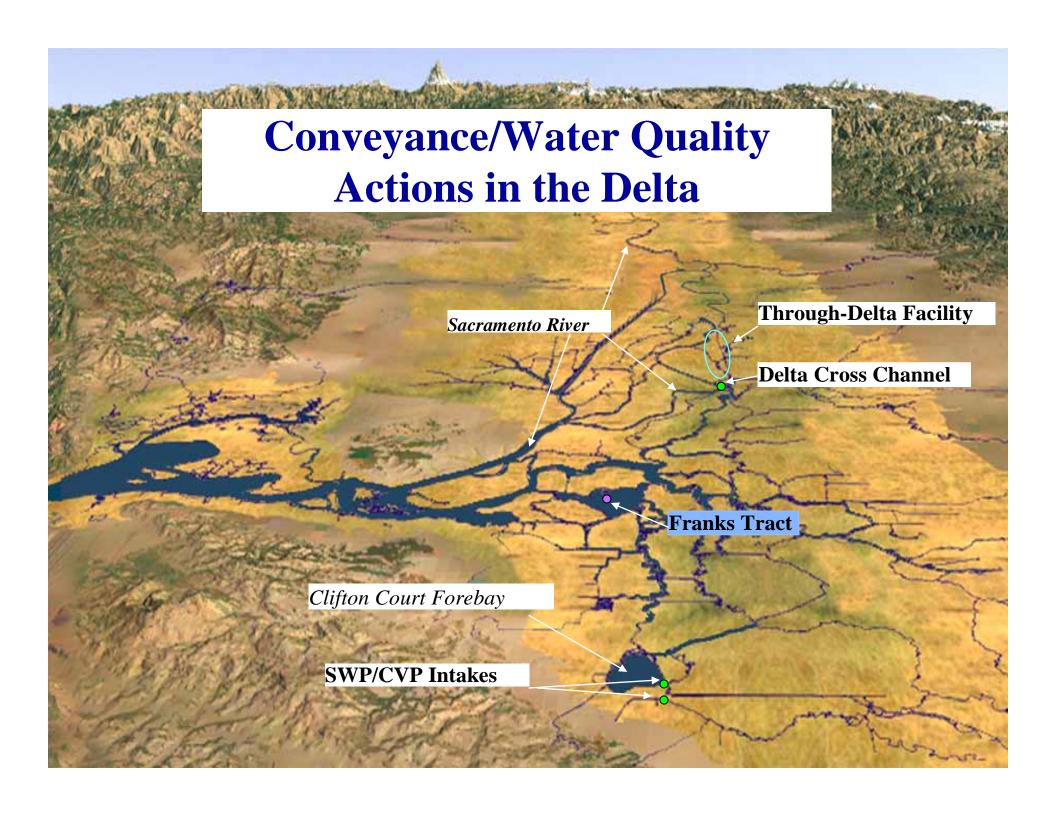
Franks Tract Pilot Project

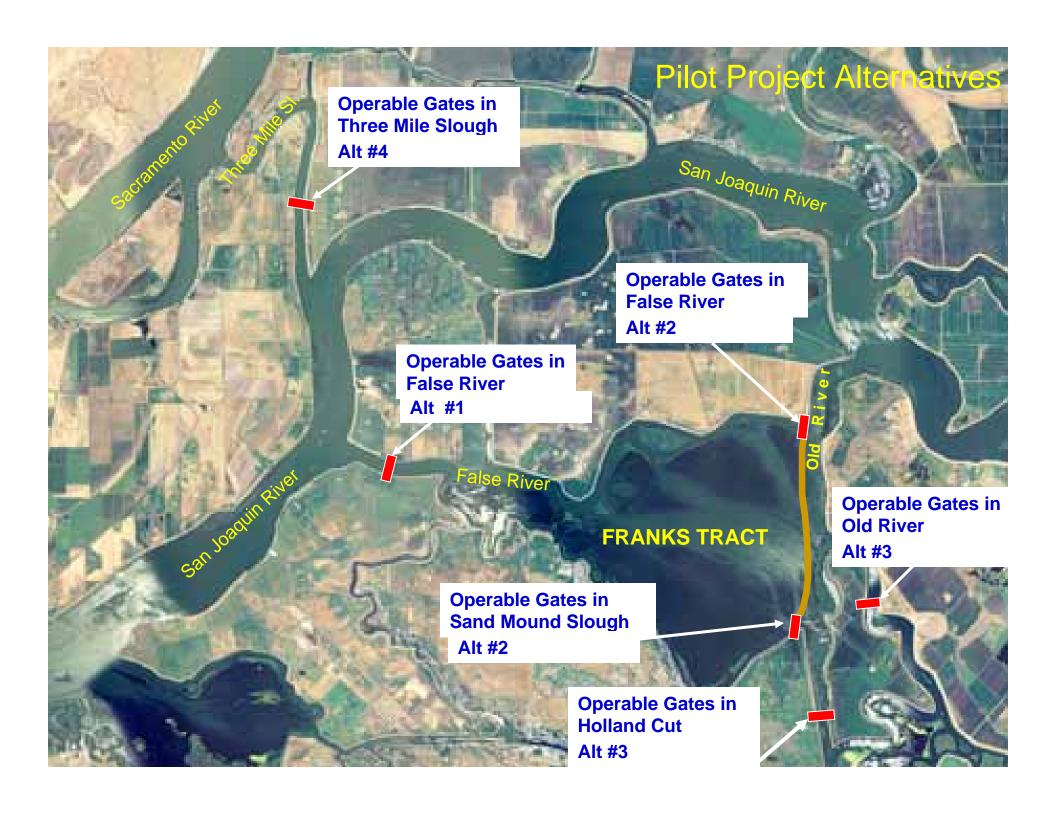
Ajay Goyal

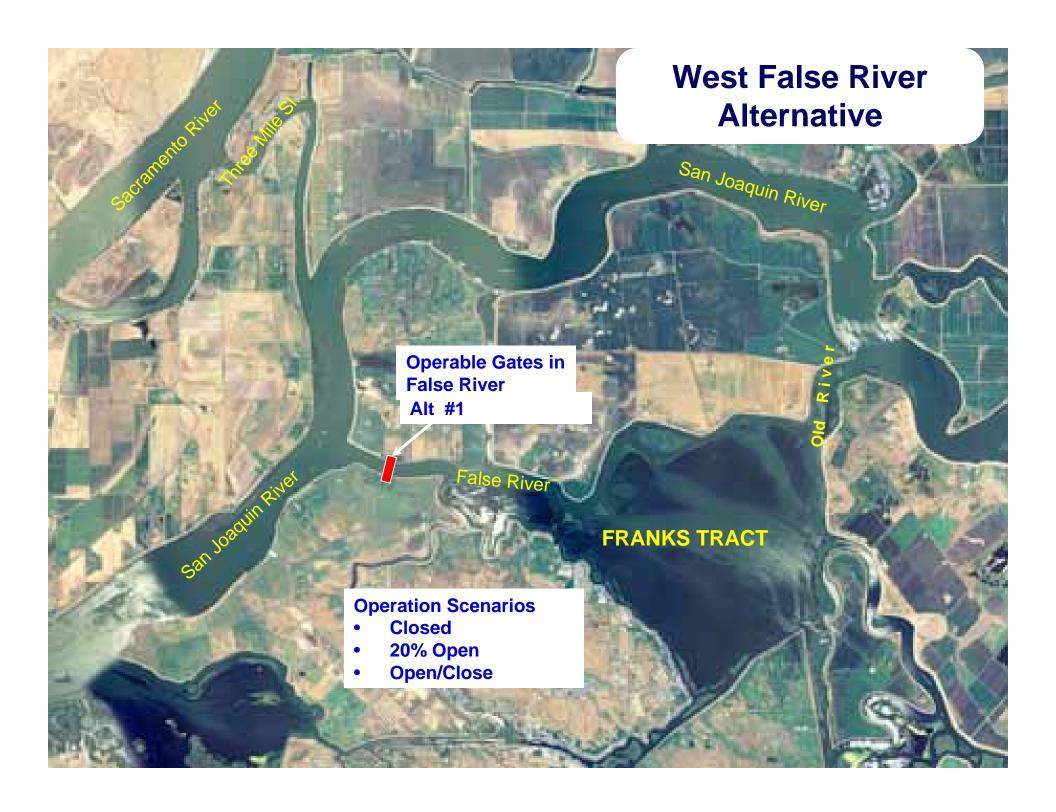
Department of Water Resources



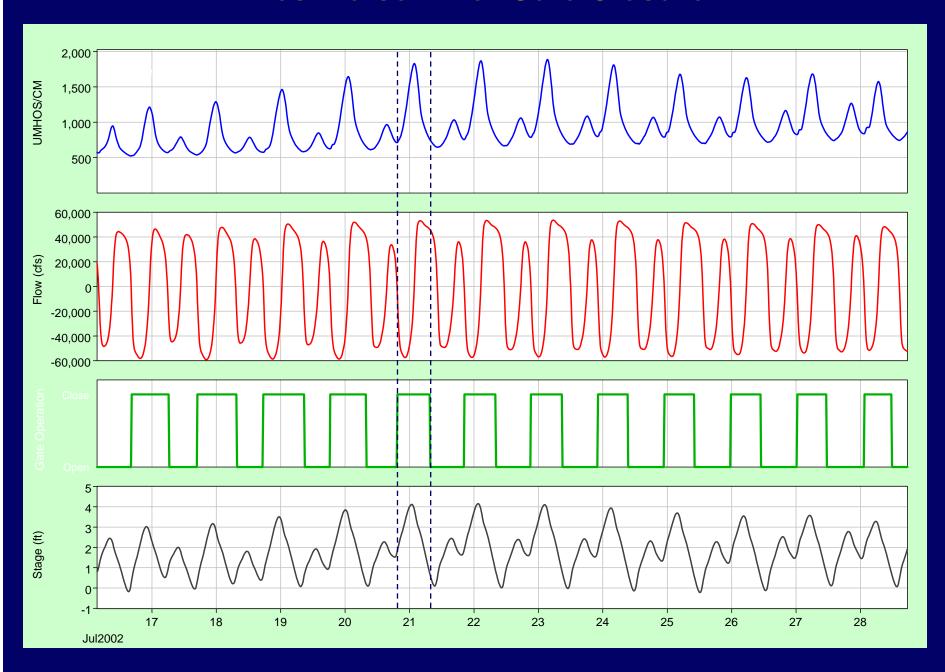
Franks Tract Pilot Project Objectives

- Confirm water quality benefits
- Monitor impacts of the project
- Modify project operations to improve benefits and minimize impacts



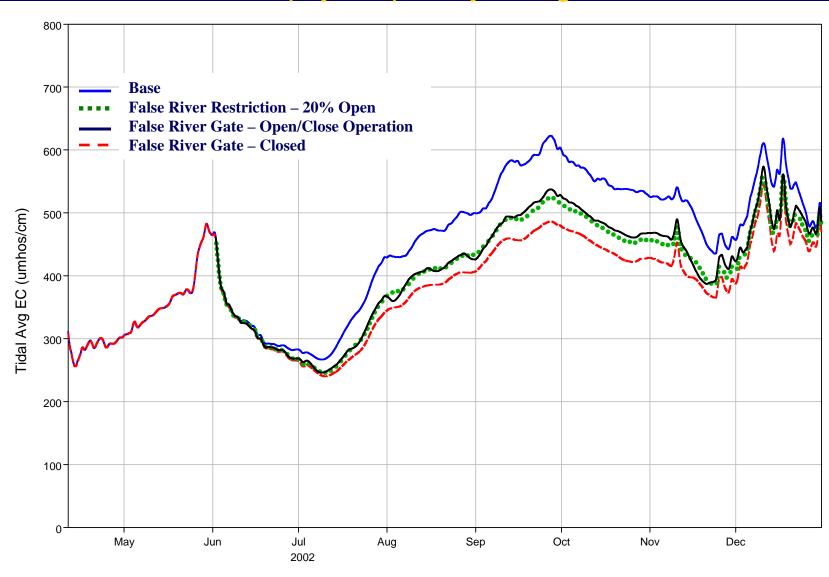


West False River Gate Closure

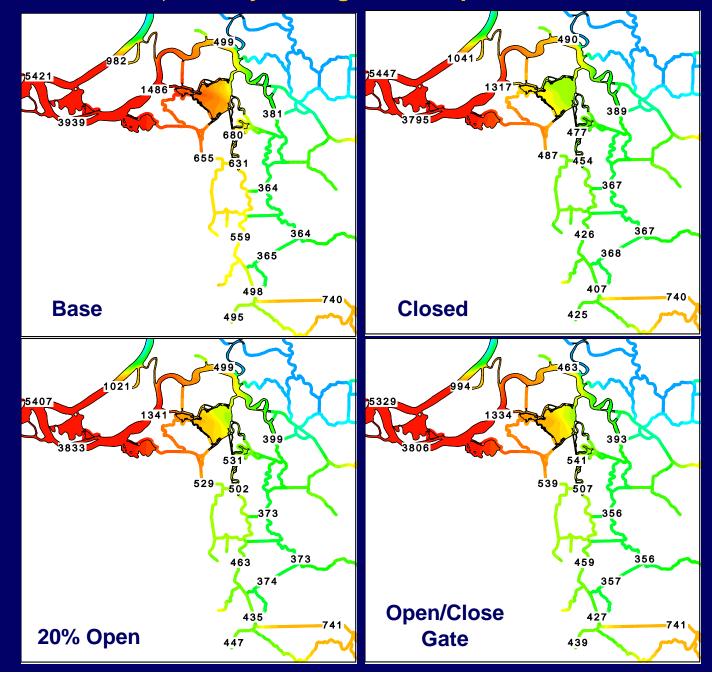


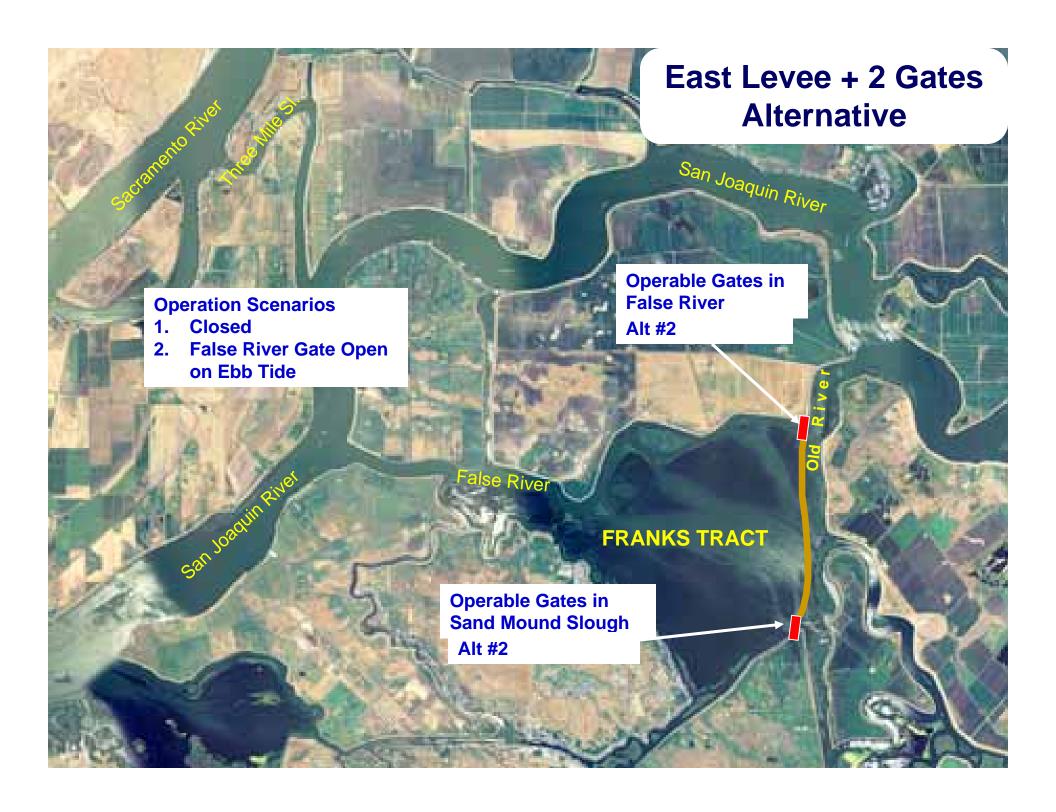
Alt #1: West False River - SWP

2002 (Dry Year) Tidally Averaged EC



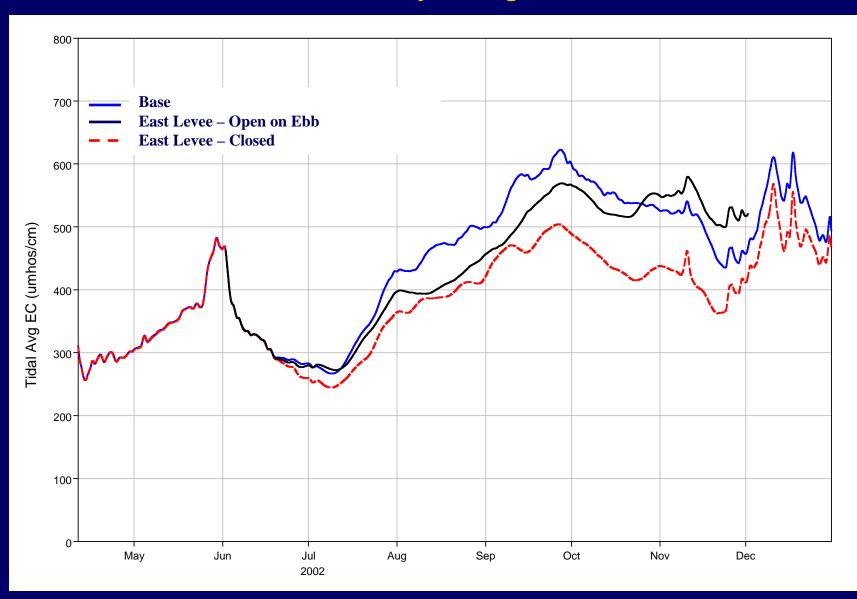
West False River, Tidally Average EC, Sept 1, 2002



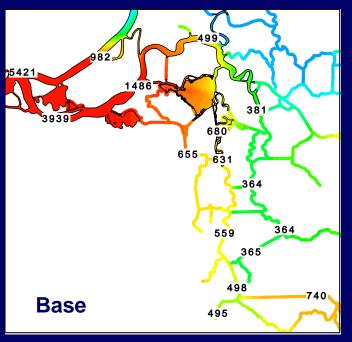


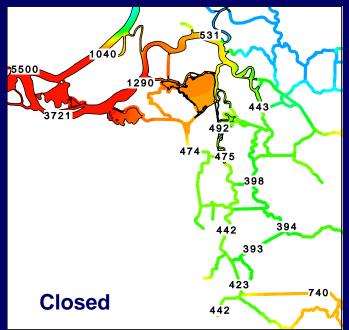
Alt #3: East Levee - SWP

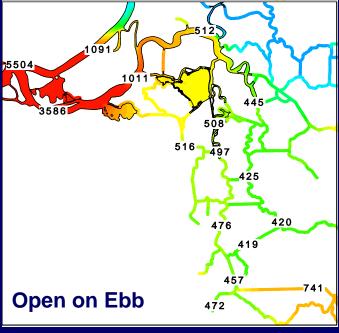
2002 Tidally Averaged EC

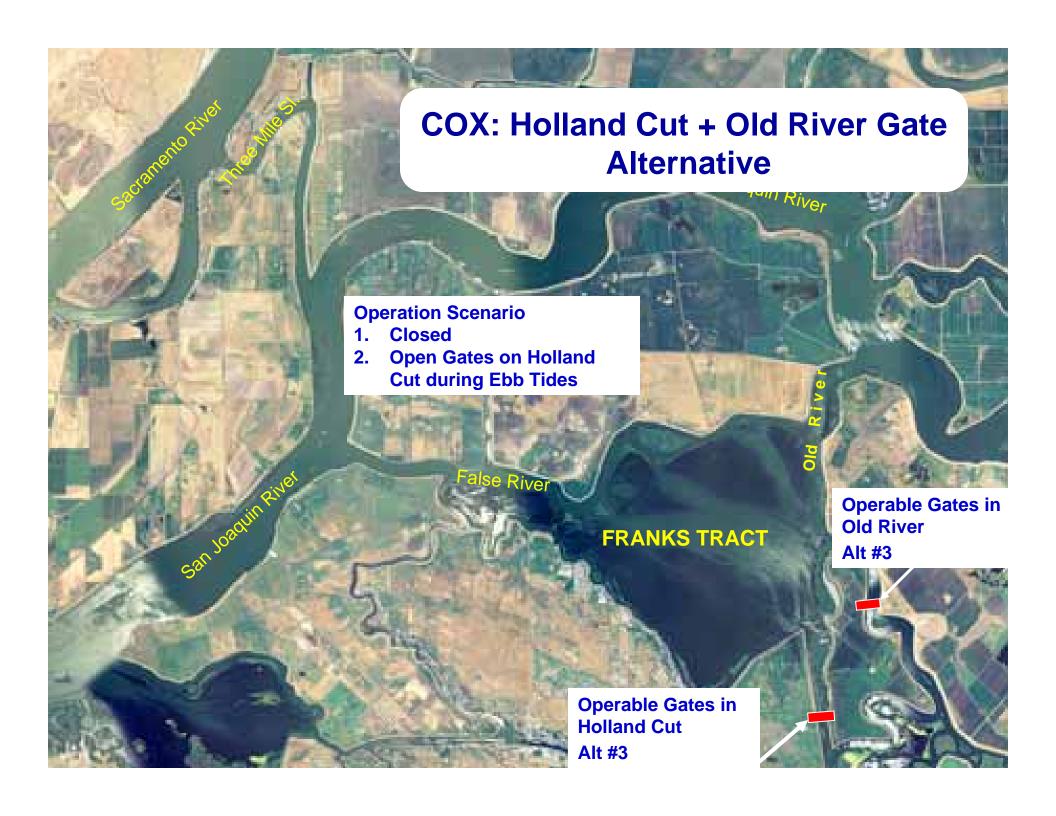


East Levee + 2 Gates, Tidally Average EC, Sept 1, 2002

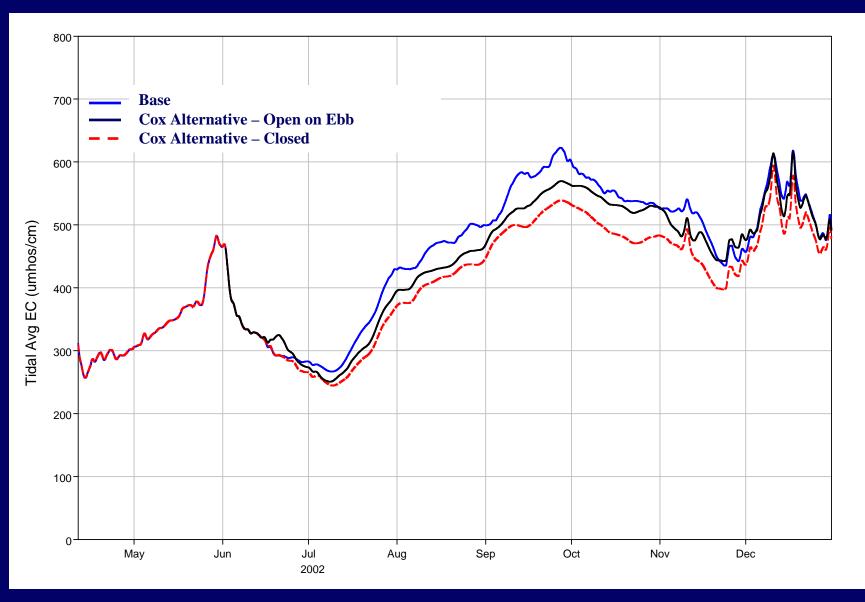




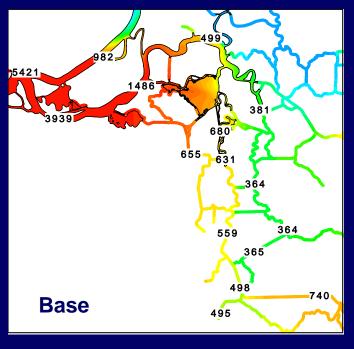


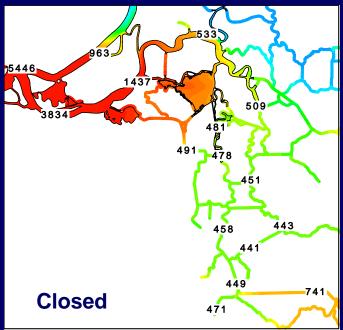


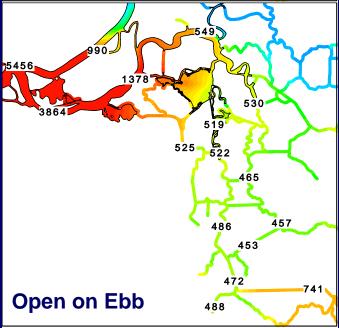
Alt #2: Cox Alternative – SWP 2002 Tidally Averaged EC

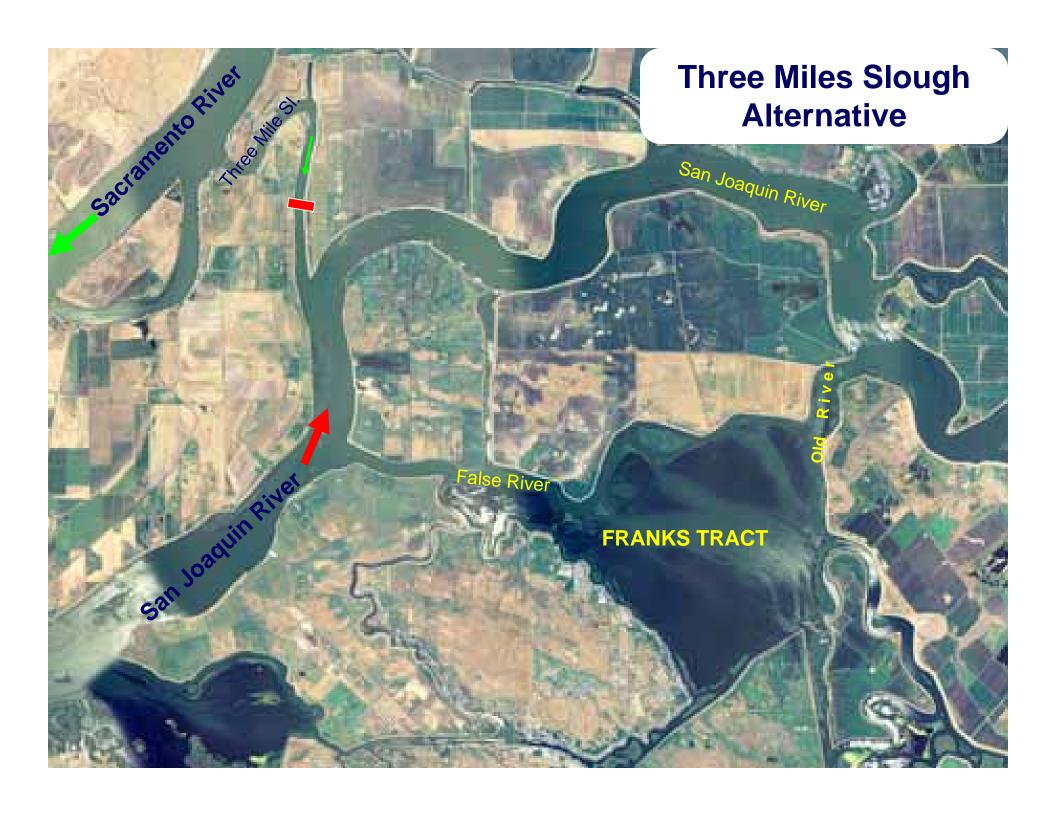


COX, Tidally Average EC, Sept 1, 2002

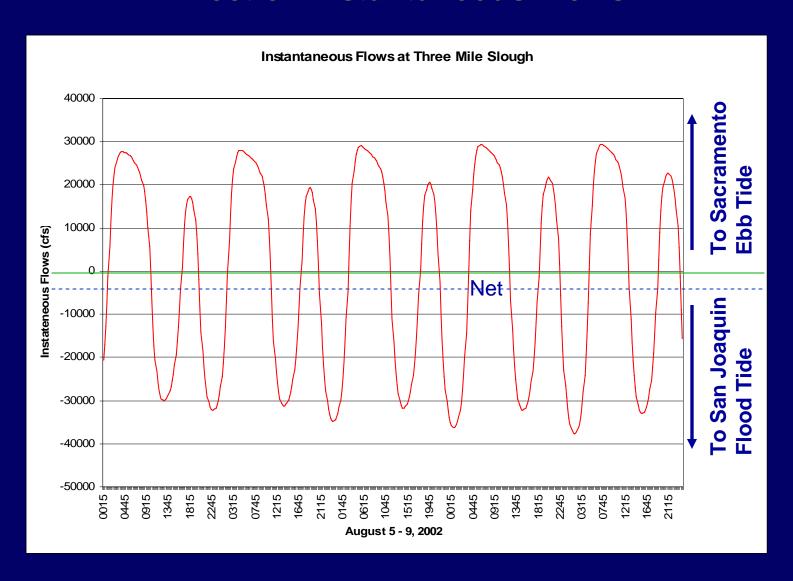




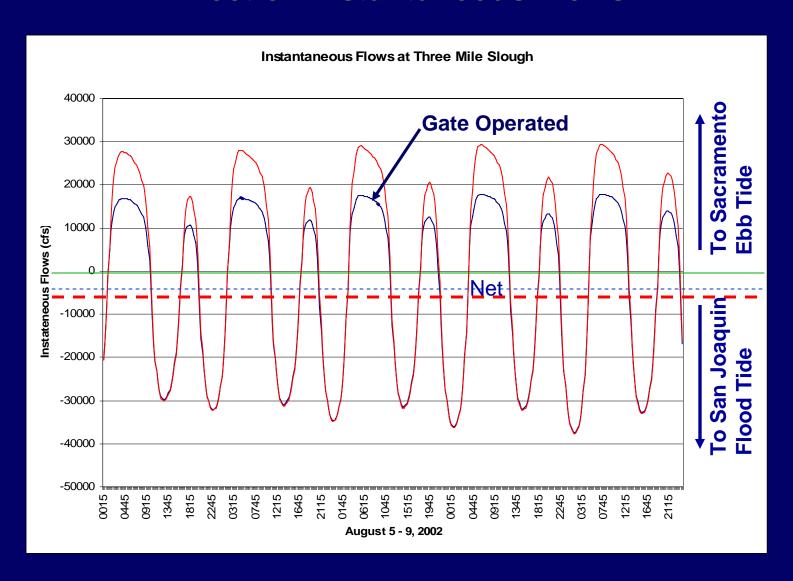




Adaptive Management of 3 Mile Slough Effect on Instantaneous Flows

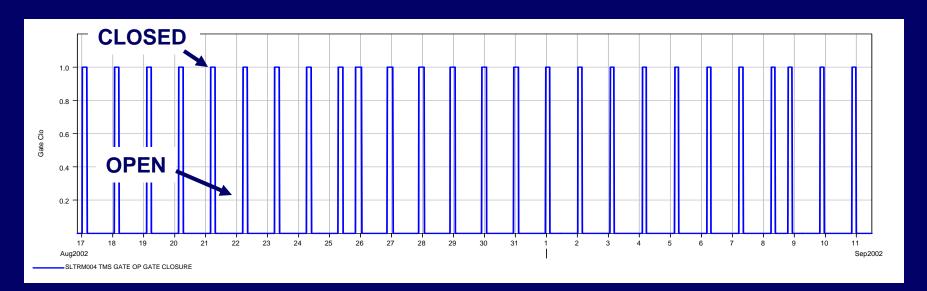


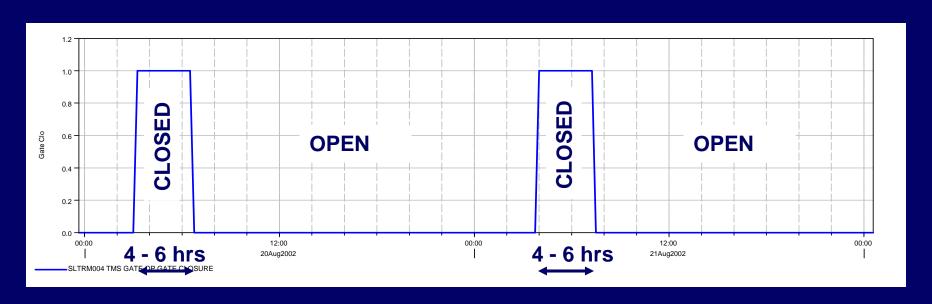
Adaptive Management of 3 Mile Slough Effect on Instantaneous Flows





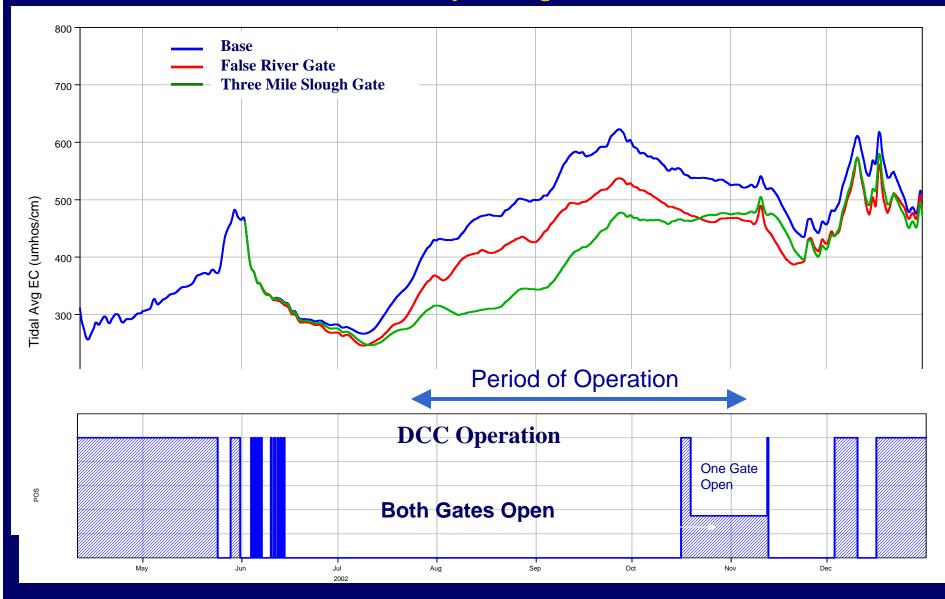
Three Mile Slough Gate Closure



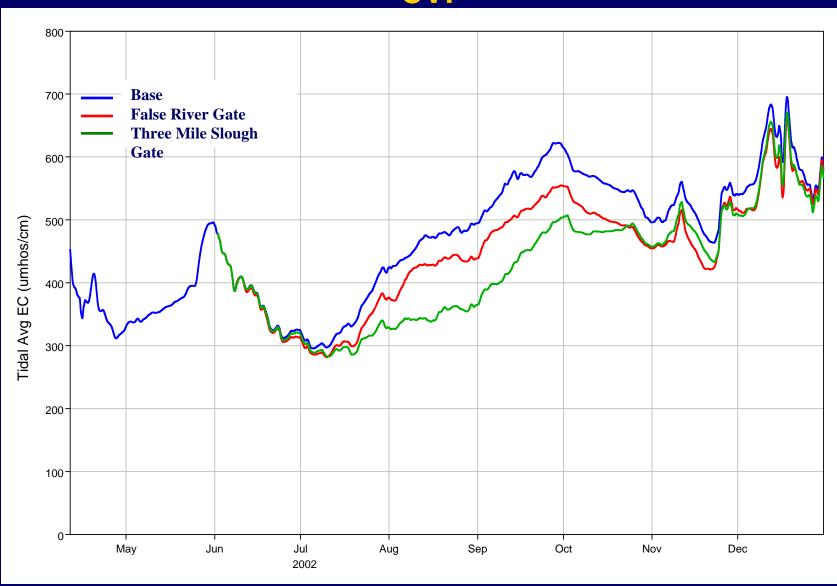


Alt #3: Three Mile Slough – SWP

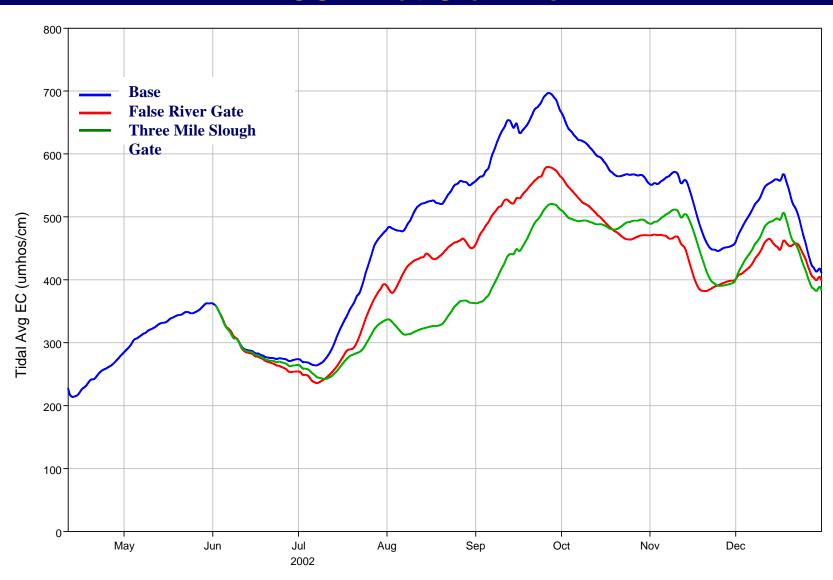
2002 Tidally Averaged EC



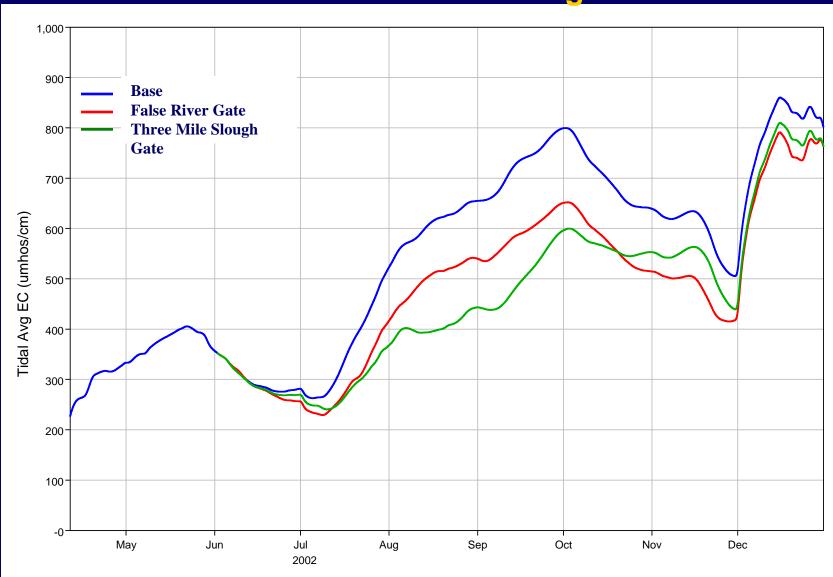
Year 2002 - Tidally Averaged EC CVP



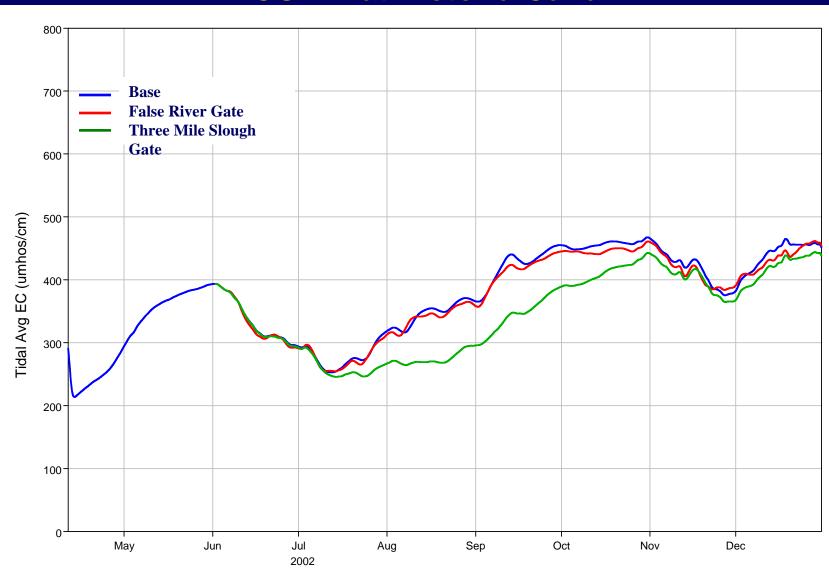
Year 2002 - Tidally Averaged EC CCWD at Old River



Year 2002 - Tidally Averaged EC CCWD at Rock Slough

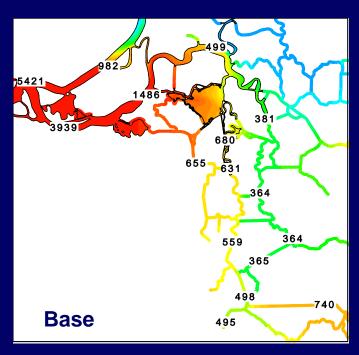


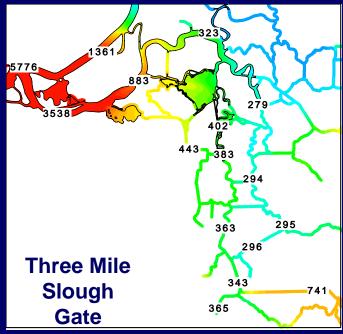
Year 2002 - Tidally Averaged EC CCWD at Victoria Canal



Three Mile Slough Gate

Tidally Average EC Sept 1, 2002



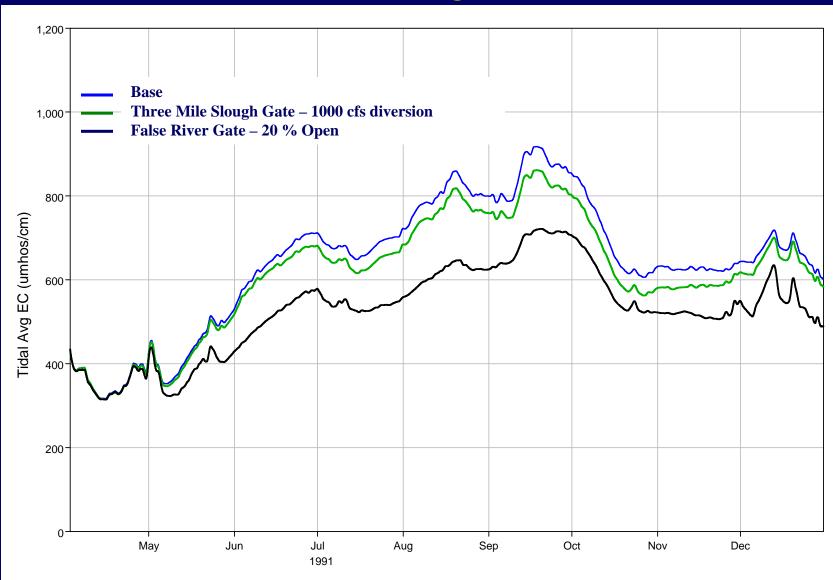


Three Mile Slough Gate Variable Diversion for 2002 (daily average diversion)

Net Flow in San Joaquin (cfs)

June	1500
July	3000
August	3000
September 1-20	2500
September 21-30	500
October 1-15	500
October 16-31	1000
November 1-10	1000
November 11-30	2000
December 1-15	2000
December 16-31	0

Year 1991 (Critical)-Tidally Averaged EC, SWP



Franks Tract Summary of EC Reductions

September 2002 (Dry Year)

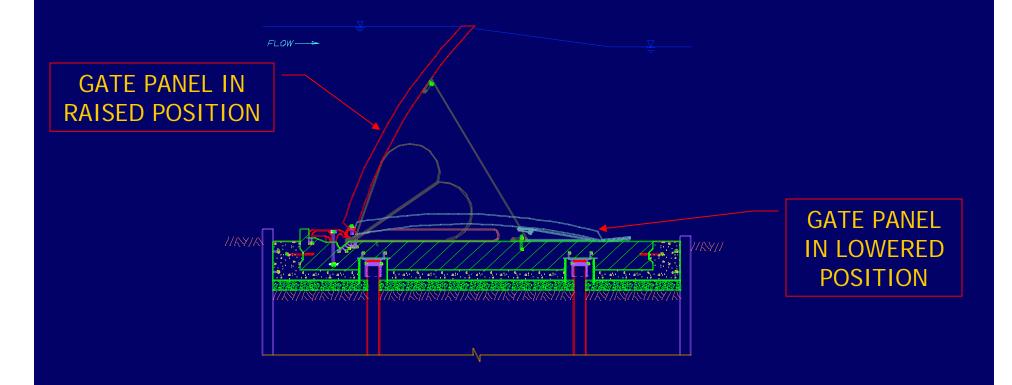
	SWP	CVP	Old River	CCWD Rock Slough	CCWD Victoria Canal
West False River	13.3%	10.2%	16.9%	18.9%	2.0%
East Levee	9.1%	5.4%	16.0%	21.2%	-13.6%
Old River/ Holland Cut	6.8%	2.4%	15.7%	19.7%	-22.4%
Three Mile Slough	27.5%	22.5%	30.0%	31.1%	18.6%

Assumes use of operational gates.

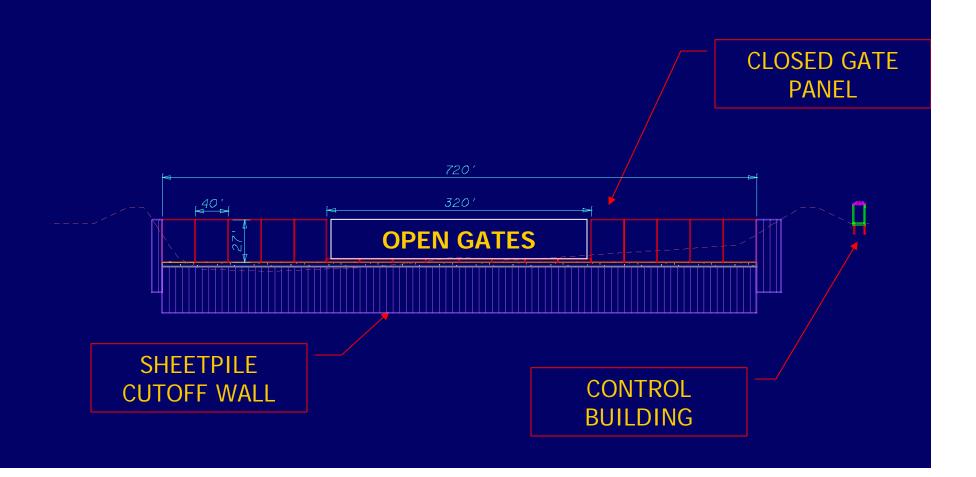
Obermeyer Gates



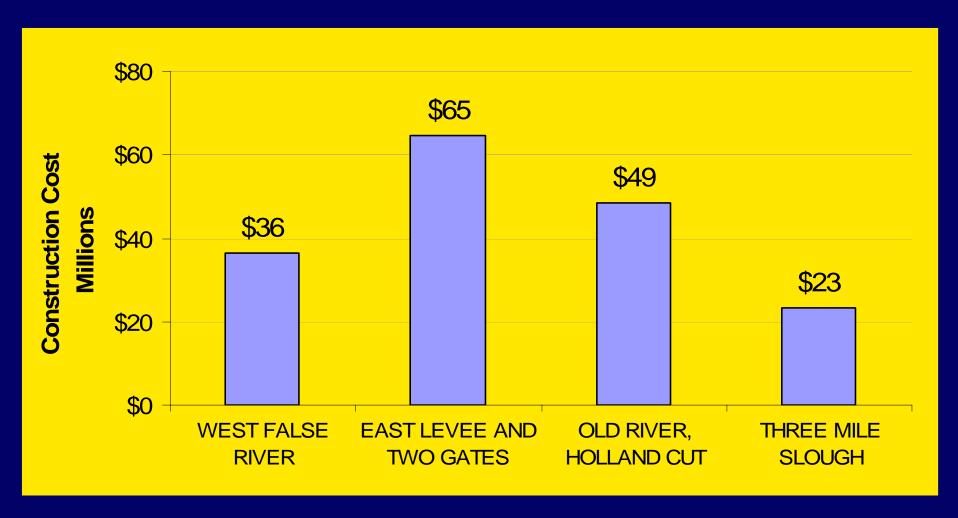
Cross Section



False River Gated Alternative Elevation of Gated Structure – Looking D/S



Franks Tract – Pilot Project Construction Cost - Summary



Assumes use of Obermeyer operational gates.

Franks Tract Pilot Project Budget

(2006 dollars)

Total	\$ 38 Million
Construction Management	\$ 3 M
Construction (Least Expensive Alt.)	\$ 24 M
Final Design	\$ 3 M
Monitoring Program (5 years)	\$ 5 M
EIR/EIS and Permits	\$ 2 M
Alternatives Eval. & Value Eng.	\$ 1 M

Assumes use of Obermeyer operational gates.

Franks Tract Project Funding Options

- Funding Strategy
 - 1/3rd to 1/2 from State funds (bond)
 - 1/4th to 1/3rd from Federal funds (USBR)
 - 1/4th to 1/3rd from water users (SWP, CVP,
 CCWD)

Franks Tract Pilot Project Schedule



Questions

Ajay Goyal 916-651-9823 agoyal@water.ca.gov Department of Water Resources